

इंटरनेट

मानक

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Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

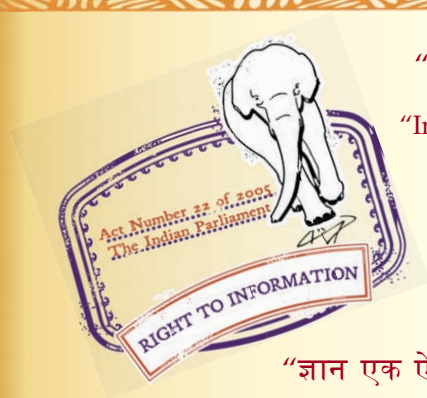
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 11929 (1986): Adopters, Band, Dental [MHD 8: Dentistry]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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Indian Standard

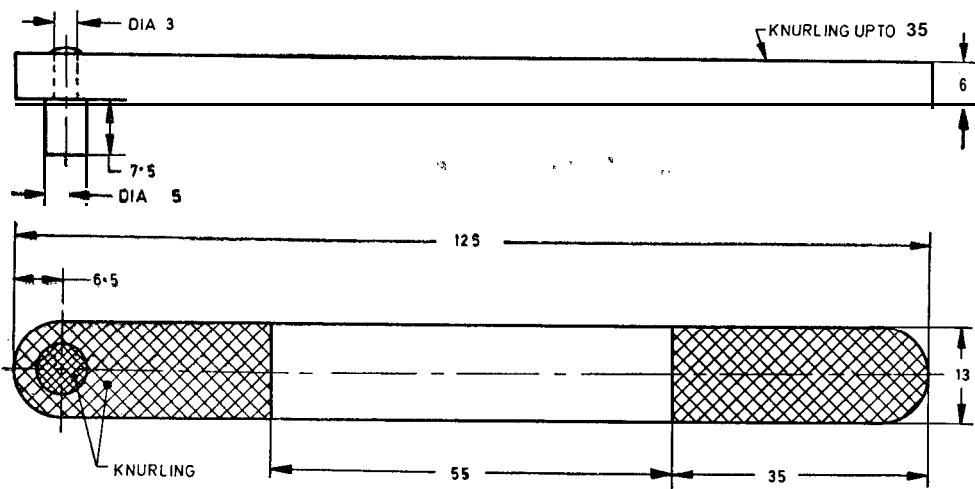
SPECIFICATION FOR ADOPTERS, BAND, DENTAL

1. **scope** — This standard specifies materials, dimensions and other requirements for band adopters used in dentistry.

2. **Materials**

Component	Material
Body	Aluminium conforming to Designation 19500 (SIB), Condition '0' of IS : 21-I 975 'Specification for wrought aluminium and aluminium alloys for manufacture of utensils (<i>third revision</i>)' or Ebonite conforming to Type 1 of IS : 6693-I 972 'Specification for ebonite'
Pin	Brass conforming to Type II of IS : 319-1974 'Specification for free-cutting brass bars, rods and sections (<i>third revision</i>)'

3. **Shape and Dimensions** — As shown in Fig. 1.



All dimensions in millimetres.
FIG. 1 BAND ADOPTER, DENTAL

3.1 Tolerances on various dimensions shall be as given below:

- a) ± 0.1 mm on dimensions up to 5.0 mm,
- b) ± 0.2 mm on dimensions above 5.0 mm and up to 20.0 mm,
- c) ± 0.5 mm on dimensions above 20.0 mm and up to 50.0 mm,
- d) ± 1.0 mm on dimensions above 50.0 mm and up to 100.0 mm, and
- e) ± 2.0 mm on dimensions above 100.0 mm.

IS : 11929 - 1986

4. Workmanship and Finish

4.1 The band adopter shall be assembled as shown in Fig. 1.

4.2 The riveting of the pin shall be firm, secure and sound and shall have snap head.

4.3 The surfaces of the band adopter shall be finished smooth except the top and bottom surfaces at the ends and the top surface of the pin, which shall have knurling.

4.4 All the edges shall be even and rounded.

4.5 The body of the band adopter, when made of aluminium, shall have anodic coating conforming to Grade AC 10 of IS: 1868-1982 'Specification for anodic coatings on aluminium and its alloys (**second revision**)'.

5. Marking and Packing

5.1 The band adopters shall be legibly and indelibly marked with the manufacturer's name, initials or recognized trade-mark; and the country of manufacture.

5.2 Each adopter shall be put in a polyethylene bag or wrapped in wax paper. The adopters shall then be packed in cartons in accordance with the current trade practice.

5.2.1 Alternatively, the adopters may be packed as agreed to between the purchaser and the supplier.

5.3 The packages shall be marked with the name of the instrument; the manufacturer's name, initials or recognized trade-mark; the word 'aluminium' or 'ebonite', as applicable; and the country of manufacture.

5.4 Certification Marking — Details available with the Bureau of Indian Standards.

6. Sampling — Sampling procedure and acceptance criteria for the band adopters shall be as agreed to between the purchaser and the supplier. A recommended scheme for the same is given in Appendix A,

APPENDIX A

(*Clause 6*)

SAMPLING SCHEME AND CRITERIA FOR CONFORMITY FOR ADOPTERS, BAND, DENTAL

A-1. Lot — In any consignment, all the band adopters produced from the same materials under similar conditions shall constitute a lot.

A-2. Scale of Sampling — The number of adopters to be selected for each lot shall depend upon the size of the lot and shall be in accordance with col 1 and 2 of Table 1.

TABLE 1 SCALE OF SAMPLING

(*Clauses A-2, A-3.1 and A-3.2*)

Lot Size			Sample Size	Sub-sample Size
(1)			(2)	(3)
Up	to	25	3	1
26	„	50	5	1
51	„	100	8	2
101	„	150	13	2
151	and above		20	3

A-2.1 These band adopters shall be selected from the lot at random and in order to ensure randomness of selection, procedures given in IS : 4905-1968 'Methods for random sampling' may be followed-

A-3. Number of Tests and Criteria for Conformity

A-3.1 All the band adopters selected according to col "I and 2 of Table 1 shall be examined for shape and dimensions, and workmanship and finish (visual). An instrument in the sample failing to meet any of these requirements shall be considered as defective. The lot shall be considered as conforming to these requirements and hence, in the case of ebonite adopters, to the requirements of the specification if no defective is found in the sample.

A-3.2 In the case of aluminium adopters, the lot having been found satisfactory according to A-3.1 shall be further tested for the requirement of anodic coating. For this purpose, a sub-sample of size given in col 3 of Table 1 shall be taken. The instruments in the sub-sample may be selected from those already examined according to **A-3.1**. Each instrument in the sub-sample shall be tested for the requirement of anodic coating given in 4.5. The lot shall be declared as conforming to the requirements of the specification if none of the band adopters in the sub-sample fails to meet this requirement.

EXPLANATORY NOTE

The object of this standard is to help the manufacture of band adopters which are functionally sound and which give proper contour of the bands so as to avoid leakage of the cement applied.